

25. The method of claim 24 wherein the electrically conductive particles comprise conductive carbon particles or metal particles.

26. The method of claim 20 wherein the vanadium oxide particles have an average diameter from about 5 nm to about 50 nm.

27. The method of claim 20 wherein the binder comprises polyvinylidene fluoride, polyethylene oxide, polyethylene, polypropylene, polytetrafluoroethylene, polyacrylates or mixtures or copolymers thereof.

28. The method of claim 20 wherein the resulting cathode structure comprises from about 60 weight percent to about 98 weight percent vanadium oxide particles.

29. The method of claim 20 wherein the collection of vanadium oxide particles have a distribution in sizes such that at least about 95 percent of the particles have a diameter greater than about 40 percent of the average diameter and less than about 160 percent of the average diameter.

REMARKS

Claims 1, 4-11, and 13-29 remain for consideration. Claims 2, 3 and 12 are canceled without prejudice. The specification was amended to update data on copending applications. Also, the specification was amended to more particularly point out Applicants claimed invention. The Amendment to the specification on page 15 is supported by U.S. Patent 5,989,514 at column 8, lines 51-54, which was incorporated into the present application at page 12, line 22 through application 08/897,903. No new matter is introduced by the amendments to the specification.

Claims 1, 8 and 15 have been amended to more particularly point out Applicants' claimed invention. The specification supports the amendments of claim 1 and 8, for example, at page 15, lines 8-12. While applicants believe that these claim amendments are supported by the specification without the material incorporated by reference into the application, Applicants have

amended the specification to explicitly incorporate material that unambiguously supports the amendment to the claims. The specification supports the amendment of claim 15, for example, at page 15, lines 8-12 and page 18, lines 3-10. No new matter is introduced by the claim amendments.

New claim 20 is supported by the specification, for example, at page 15, lines 8-12 and page 18, lines 11-15. New claims 21 and 22 are supported by the specification, for example, at page 18, lines 11-13, and page 19, lines 12-19. New claim 23 is supported by the specification, for example, at page 18, lines 15-22. New claim 24 is supported by the specification, for example, at page 18, lines 23-29. New claim 25 is supported by the specification, for example, at page 18, lines 26-29. New claim 26 is supported by the specification, for example, at page 15, lines 8-12. New claim 27 is supported by the specification, for example, at page 19, lines 15-19. New claim 28 is supported by the specification, for example, at page 19, lines 12-15. New claim 29 is supported by the specification, for example, at page 16, lines 4-9. No new matter is introduced by the new claims.

Applicants respectfully request favorable consideration of the pending claims.

The Director of the Patent and Trademark Office is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

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